

AMENDMENTS TO THE CLAIMS

Upon entry of the present amendment, the status of the claims will be as shown below. This listing of claims replaces all previous versions and listings of claims in the present patent application.

Listing of Claims

1. (Currently Amended) A playback device for playing back a digital stream and an application ~~which are recorded on a recording medium~~, in conjunction with each other, comprising:

a drive unit operable to load a recording medium;

a playback unit operable to play back [[the]] a digital stream recorded on the loaded recording medium; and

a platform unit operable to execute [[the]] an application recorded on the loaded recording medium to perform playback control, wherein

the playback unit has a plurality of real parameters used for [[the]] special playback control, the plurality of real parameters being specific to the playback device,

the platform unit includes:

an execution unit operable to interpret and execute the application recorded on the loaded recording medium; and

a module unit having a first function to be provided of providing the application with one of the real parameters upon request by [[to]] the application, and operable to perform the playback control; and a second function of, upon request by the application, which has received the provision of the real parameter, to perform special playback control using the real parameter, controlling the playback unit such that the special playback is performed on the

~~digital stream based on the real parameter used for the request of the special playback control~~
~~the playback control causes, via the function, the playback unit to play back the digital~~
~~stream based on one of the plurality of real parameters.~~

2. (Currently Amended) The playback device of Claim 1, wherein
the first ~~function to be provided to the application~~ is a function of supplying special
playback information to the application in response to a call from the application in execution,
the special playback information showing a correspondence between a plurality of user events
and the plurality of real parameters,
the second function is a function of, when a function call is performed by the application
using the special playback information, controlling the playback unit such that playback is
performed on the digital stream based on the real parameter
~~the playback control of the module unit responds to a function call from the application,~~
and
~~the special playback information is used for the function call.~~

3. (Currently Amended) The playback device of Claim 2, wherein
each of the plurality of user events shows a type of a button pushed by a user, and
each of the plurality of real parameters shows a ~~playback rate~~ multiplication factor of a
special playback rate.

4. (Original) The playback device of Claim 3, wherein
each of the plurality of user events further shows a pushing count of the button, and

the special playback information shows a user event including a higher pushing count in correspondence with a real parameter showing a higher multiplication factor.

5. (Cancelled)

6. (Currently Amended) The playback device of Claim 1, wherein the first function ~~to be provided to the application~~ is a function of supplying array data listing the plurality of real parameters to the application, in response to a call from the application in execution.

7. (Original) The playback device of Claim 1, wherein the execution unit controls rendering of graphics by interpreting and executing the application.

8. (Currently Amended) The playback device of Claim 7, wherein the first function ~~to be provided to the application~~ is a function of supplying special playback information to the application in response to a call from the application, the special playback information showing a correspondence between a plurality of user events and the plurality of real parameters specific to the playback device,

the module unit performs the playback control in response to a function call from the application using the special playback information, and

the application controls the rendering of the graphics based on the special playback information acquired via the function.

9. (Currently Amended) The playback device of Claim 7, wherein

the first function ~~to be provided to the application~~ is a function of expanding a variable that corresponds to a special playback rate, received from the application, into one of the plurality of real parameters that corresponds to the special playback rate, and supplying the expanded real parameter to the application,

~~the module unit performs the playback control based on the expanded real parameter, and upon request from the application to perform special playback control using the expanded real parameter, the second function controls the playback unit such that the special playback is performed on the digital stream based on the expanded real parameter, and~~

the application controls the rendering of the graphics based on the expanded real parameter.

10. (Cancelled)

11. (New) A playback method for use in a playback device for playing back a digital stream and an application in conjunction with each other, comprising:

a playback step of playing back a digital stream recorded on a recording medium loaded on a drive unit included in the playback device; and

an execution step of interpreting and executing an application recorded on the loaded recording medium,

wherein the playback step has a plurality of real parameters used for special playback control, the plurality of real parameters being specific to the playback device, and

the execution step includes:

a substep of providing the application with one of the real parameters upon request by the application; and

a substep of, upon request by the application, which has received provision of the real parameter, to perform special playback control using the real parameter, controlling the playback unit such that the special playback is performed on the digital stream based on the real parameter used for the request of the special playback control.

12. (New) A playback device for playing back a digital stream and an application in conjunction with each other, comprising:

a drive unit operable to load a recording medium;

a playback unit operable to play back a digital stream recorded on the loaded recording medium; and

a platform unit operable to execute an application recorded on the loaded recording medium to perform playback control,

wherein the playback unit has a plurality of real parameters used for special playback control, the plurality of real parameters being specific to the playback device,

the playback unit includes:

an execution unit operable to interpret and execute the application recorded on the loaded recording medium; and

a module unit having a function of expanding a variable that corresponds to a special playback rate, received from the application, into one of the plurality of real parameters that corresponds to the special playback rate, and a function of controlling the playback unit such that the special playback is performed on the digital stream based on the expanded real

parameter.

13. (New) A playback method for use in a playback device for playing back a digital stream and an application in conjunction with each other, comprising:

a playback step of playing back a digital stream recorded on a recording medium loaded on a drive unit included in the playback device; and

an execution step of interpreting and executing an application recorded on the loaded recording medium,

wherein the playback step has a plurality of real parameters used for special playback control, the plurality of real parameters being specific to the playback device, and

the execution step includes:

a substep of expanding a variable that corresponds to a special playback rate, received from the application, into one of the plurality of real parameters that corresponds to the special playback rate; and

a substep of controlling the playback unit such that the special playback is performed of the digital stream based on the expanded real parameter.